



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11241332
SAU: Orrington School Department
School: Center Drive School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

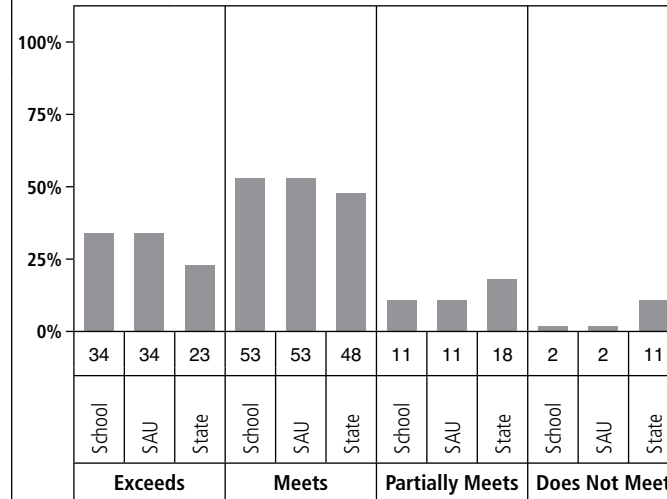
SAU: Orrington School Department

School: Center Drive School

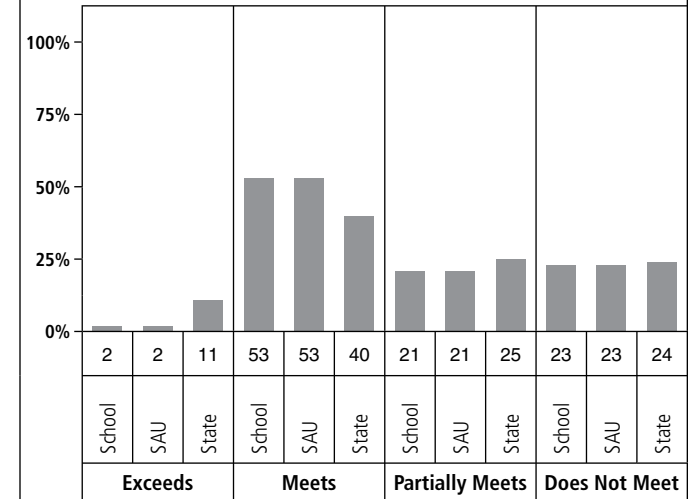
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	846	846	845
2006–2007	852	852	847
2007–2008	857	857	849
Cum. Avg. *	852	852	847
Mathematics			
2005–2006	846	846	840
2006–2007	843	843	842
2007–2008	842	842	841
Cum. Avg. *	844	844	841
Science & Technology			
2005–2006	847	847	846
2006–2007	851	851	847
2007–2008	851	851	847
Cum. Avg. *	850	850	847

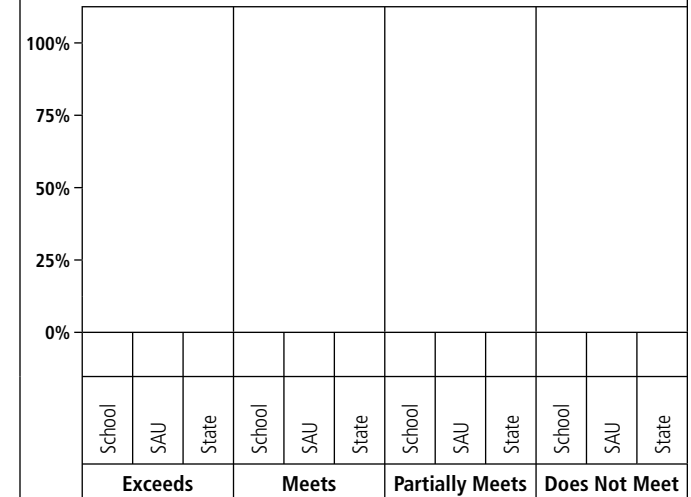
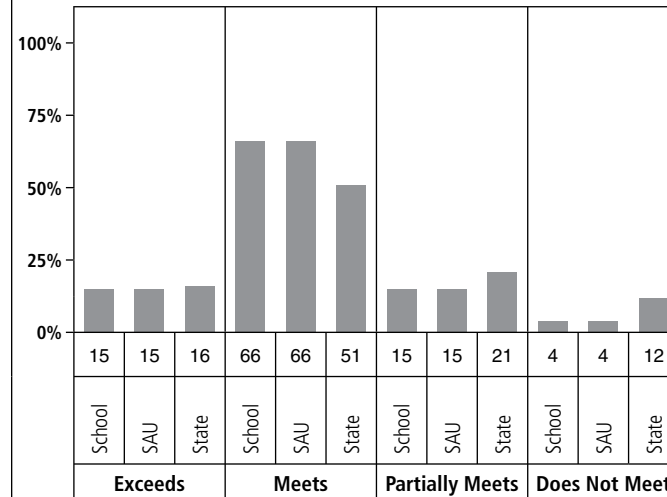
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Orrington School Department
 School: Center Drive School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	48	100	48	100	15274	100	47	98	47	98	15102	99	47	98	47	98	15097	99	47	98	47	98	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	0	0	0	0	139	1	0	0	0	0	136	98	0	0	0	0	136	98	0	0	0	0	136	98						
Caucasian/White	48	100	48	100	14461	95	47	98	47	98	14312	99	47	98	47	98	14302	99	47	98	47	98	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	3	6	3	6	2508	16	2	67	2	67	2446	98	2	67	2	67	2441	98	2	67	2	67	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	5	10	5	10	5420	35	5	100	5	100	5329	99	5	100	5	100	5324	99	5	100	5	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	45	94	45	94	12703	83	45	94	45	94	12694	83	45	94	45	94	12710	83						
Identified disability (PET/IEP)	0	0	0	0	437	3	0	0	0	0	421	3	0	0	0	0	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	2	4	2	4	2221	15	2	4	2	4	2227	15	2	4	2	4	2197	14						
Identified disability (PET/IEP)	2	100	2	100	1832	82	2	100	2	100	1844	83	2	100	2	100	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	2	1	2	140	1	1	2	1	2	143	1	1	2	1	2	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Orrington School Department
School:	Center Drive School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	6	15	6	15	2695	17
	2006-2007	11	23	11	23	2407	16
	2007-2008	16	34	16	34	3428	23
	Cum. Total*	33	24	33	24	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	17	43	17	43	6830	42
	2006-2007	23	48	23	48	7494	49
	2007-2008	25	53	25	53	7179	48
	Cum. Total*	65	48	65	48	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	11	28	11	28	3741	23
	2006-2007	11	23	11	23	3628	24
	2007-2008	5	11	5	11	2706	18
	Cum. Total*	27	20	27	20	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	6	15	6	15	3003	18
	2006-2007	3	6	3	6	1810	12
	2007-2008	1	2	1	2	1611	11
	Cum. Total*	10	7	10	7	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	41.4	73.9	41.4	73.9	36.9	65.9
Literary Text	28	50	20.5	73.2	20.5	73.2	18.3	65.4
Informational Text	28	50	20.9	74.6	20.9	74.6	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

*Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Orrington School Department
 School: Center Drive School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	0										0						131	18	38	27	17	846
Caucasian/White	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2269	3	24	32	42	833
No	45	16	36	25	56	3	7	1	2	858	45	36	56	7	2	858	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	5	0	0	4	80	1	20	0	0	849	5	0	80	20	0	849	5222	12	44	25	19	843
No	42	16	38	21	50	4	10	1	2	857	42	38	50	10	2	857	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14917	23	48	18	11	849
Gender																						
Female	16	10	63	6	38	0	0	0	0	864	16	63	38	0	0	864	7198	30	48	15	7	853
Male	31	6	19	19	61	5	16	1	3	853	31	19	61	16	3	853	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	47	16	34	25	53	5	11	1	2	857	47	34	53	11	2	857	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Orrington School Department
School: Center Drive School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	3	100	0	0	0	0	848	6	0	100	0	0	848	9	10	39	24	26	841
B. less than one hour	45	5	24	11	52	5	24	0	0	854	45	24	52	24	0	854	46	20	50	20	11	849
C. one to two hours	49	11	48	11	48	0	0	1	4	860	49	48	48	0	4	860	41	28	49	15	7	852
D. more than two hours	0										0						5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	53	14	56	10	40	1	4	0	0	862	53	56	40	4	0	862	33	31	48	14	7	853
B. They match some of what I have learned.	47	2	9	15	68	4	18	1	5	850	47	9	68	18	5	850	53	21	51	19	9	849
C. They match just a little of what I have learned.	0										0						11	14	41	25	20	844
D. There is no match.	0										0						3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	32	6	40	7	47	2	13	0	0	860	32	40	47	13	0	860	31	42	44	8	6	857
B. good	47	8	36	12	55	1	5	1	5	857	47	36	55	5	5	857	49	19	54	19	9	849
C. fair	21	2	20	6	60	2	20	0	0	850	21	20	60	20	0	850	18	5	42	31	22	840
D. poor	0										0						2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	13	1	17	5	83	0	0	0	0	863	13	17	83	0	0	863	15	16	44	22	18	845
B. about the same as my regular schoolwork	83	15	38	18	46	5	13	1	3	856	83	38	46	13	3	856	65	23	49	18	9	850
C. easier than my regular schoolwork	4	0	0	2	100	0	0	0	0	859	4	0	100	0	0	859	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	9	1	25	2	50	1	25	0	0	852	9	25	50	25	0	852	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	53	9	36	14	56	1	4	1	4	856	53	36	56	4	4	856	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	38	6	33	9	50	3	17	0	0	858	38	33	50	17	0	858	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	9	41	11	50	2	9	0	0	859	48	41	50	9	0	859	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	52	6	25	14	58	3	13	1	4	855	52	25	58	13	4	855	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	19	2	22	4	44	3	33	0	0	853	19	22	44	33	0	853	18	31	47	13	9	852
B. 20 minutes to an hour	57	10	37	15	56	1	4	1	4	858	57	37	56	4	4	858	41	28	49	15	7	852
C. less than 20 minutes	17	3	38	5	63	0	0	0	0	856	17	38	63	0	0	856	13	20	49	18	12	848
D. I rarely read at home.	6	1	33	1	33	1	33	0	0	855	6	33	33	33	0	855	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	45	9	43	11	52	1	5	0	0	861	45	43	52	5	0	861	43	31	48	14	7	853
B. agree	47	5	23	13	59	3	14	1	5	853	47	23	59	14	5	853	48	18	50	20	12	848
C. disagree	9	2	50	1	25	1	25	0	0	856	9	50	25	25	0	856	6	11	43	24	21	843
D. strongly disagree	0										0						2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	822	100	0	0	0	100	822						
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Orrington School Department
School: Center Drive School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	9	23	9	23	1714	11
	2006-2007	7	15	7	15	1952	13
	2007-2008	1	2	1	2	1657	11
	Cum. Total*	17	13	17	13	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	14	35	14	35	5533	34
	2006-2007	18	38	18	38	5870	38
	2007-2008	25	53	25	53	5956	40
	Cum. Total*	57	42	57	42	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	9	23	9	23	4764	29
	2006-2007	15	31	15	31	3982	26
	2007-2008	10	21	10	21	3729	25
	Cum. Total*	34	25	34	25	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	8	20	8	20	4251	26
	2006-2007	8	17	8	17	3534	23
	2007-2008	11	23	11	23	3579	24
	Cum. Total*	27	20	27	20	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.4	52.5	8.4	52.5	8.4	52.5
Cluster 2: Shape and Size	14	25	5.4	38.6	5.4	38.6	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.6	57.5	4.6	57.5	4.6	57.5
Cluster 4: Patterns	18	32	9.7	53.9	9.7	53.9	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Orrington School Department
 School: Center Drive School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	0										0						131	7	34	26	33	836
Caucasian/White	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2265	1	14	22	62	824
No	45	1	2	25	56	10	22	9	20	843	45	2	56	22	20	843	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	5	0	0	2	40	1	20	2	40	837	5	0	40	20	40	837	5217	5	30	29	37	834
No	42	1	2	23	55	9	21	9	21	842	42	2	55	21	21	842	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14914	11	40	25	24	841
Gender																						
Female	16	0	0	11	69	2	13	3	19	844	16	0	69	13	19	844	7199	11	40	26	23	841
Male	31	1	3	14	45	8	26	8	26	841	31	3	45	26	26	841	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	47	1	2	25	53	10	21	11	23	842	47	2	53	21	23	842	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Orrington School Department
School: Center Drive School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	33	1	33	1	33	835	6	0	33	33	33	835	9	5	30	23	41	833
B. less than one hour	45	0	0	11	52	5	24	5	24	841	45	0	52	24	24	841	46	10	40	26	25	840
C. one to two hours	49	1	4	13	57	4	17	5	22	844	49	4	57	17	22	844	41	14	42	25	19	843
D. more than two hours	0										0						5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	34	1	6	8	50	3	19	4	25	844	34	6	50	19	25	844	30	17	43	22	18	845
B. They match some of what I have learned.	64	0	0	17	57	7	23	6	20	841	64	0	57	23	20	841	50	10	42	26	22	841
C. They match just a little of what I have learned.	2	0	0	0	0	0	0	1	100	828	2	0	0	0	100	828	17	6	32	29	33	836
D. There is no match.	0										0						4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	26	0	0	9	75	2	17	1	8	849	26	0	75	17	8	849	26	29	46	14	11	851
B. good	55	1	4	13	50	4	15	8	31	840	55	4	50	15	31	840	45	7	46	27	20	841
C. fair	19	0	0	3	33	4	44	2	22	837	19	0	33	44	22	837	23	1	26	34	38	833
D. poor	0										0						5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	30	0	0	6	43	2	14	6	43	836	30	0	43	14	43	836	34	4	35	28	32	836
B. about the same as my regular schoolwork	64	1	3	17	57	7	23	5	17	844	64	3	57	23	17	844	52	10	43	26	21	842
C. easier than my regular schoolwork	6	0	0	2	67	1	33	0	0	851	6	0	67	33	0	851	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	49	0	0	11	48	5	22	7	30	839	49	0	48	22	30	839	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	49	1	4	13	57	5	22	4	17	845	49	4	57	22	17	845	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	1	100	0	0	0	0	848	2	0	100	0	0	848	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	6	1	33	0	0	0	0	2	67	838	6	33	0	0	67	838	9	6	38	27	29	837
B. two or three days a week	30	0	0	8	57	4	29	2	14	843	30	0	57	29	14	843	16	8	38	27	27	839
C. two or three times each month	34	0	0	10	63	4	25	2	13	845	34	0	63	25	13	845	28	12	41	27	21	843
D. never or almost never	30	0	0	7	50	2	14	5	36	838	30	0	50	14	36	838	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	17	0	0	7	88	0	0	1	13	850	17	0	88	0	13	850	38	14	42	23	21	843
B. two or three times a week	47	1	5	10	45	6	27	5	23	841	47	5	45	27	23	841	33	10	41	26	23	841
C. two or three times each month	34	0	0	8	50	4	25	4	25	841	34	0	50	25	25	841	18	10	36	27	27	840
D. never or almost never	2	0	0	0	0	0	0	1	100	814	2	0	0	0	100	814	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	57	1	4	17	63	6	22	3	11	846	57	4	63	22	11	846	54	14	44	23	18	844
B. agree	38	0	0	7	39	3	17	8	44	835	38	0	39	17	44	835	38	8	36	27	28	838
C. disagree	4	0	0	1	50	1	50	0	0	843	4	0	50	50	0	843	6	6	31	28	36	835
D. strongly disagree	0										0						2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	828	100	0	0	0	100	828						
C.	0										0											
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Orrington School Department
School: Center Drive School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	2	5	2	5	1879	12
	2006-2007	9	19	9	19	2192	14
	2007-2008	7	15	7	15	2371	16
	Cum. Total*	18	13	18	13	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	31	78	31	78	8604	53
	2006-2007	28	58	28	58	7916	52
	2007-2008	31	66	31	66	7630	51
	Cum. Total*	90	67	90	67	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	4	10	4	10	3618	22
	2006-2007	9	19	9	19	3340	22
	2007-2008	7	15	7	15	3175	21
	Cum. Total*	20	15	20	15	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	3	8	3	8	2174	13
	2006-2007	2	4	2	4	1865	12
	2007-2008	2	4	2	4	1731	12
	Cum. Total*	7	5	7	5	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.4	60.0	8.4	60.0	8.1	57.9
Cluster 2: Physical Sciences	14	25	8.5	60.7	8.5	60.7	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.5	60.7	8.5	60.7	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.9	63.6	8.9	63.6	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Orrington School Department
 School: Center Drive School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	0										0						131	5	50	22	23	842
Caucasian/White	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2258	3	29	31	37	836
No	45	7	16	30	67	6	13	2	4	851	45	16	67	13	4	851	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	5	1	20	3	60	1	20	0	0	853	5	20	60	20	0	853	5206	8	45	28	20	842
No	42	6	14	28	67	6	14	2	5	851	42	14	67	14	5	851	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14900	16	51	21	12	847
Gender																						
Female	16	2	13	11	69	3	19	0	0	852	16	13	69	19	0	852	7196	14	52	23	12	847
Male	31	5	16	20	65	4	13	2	6	851	31	16	65	13	6	851	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	47	7	15	31	66	7	15	2	4	851	47	15	66	15	4	851	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Orrington School Department
School: Center Drive School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	6 45 49 0	0 4 3	0 19 13	3 13 15	100 62 65	0 4 3	0 19 13	0 0 2	0 0 9	847 852 850	6 45 49 0	0 19 13	100 62 65	0 19 13	0 0 9	847 852 850	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	17 64 19 0	1 4 2	13 13 22	3 21 7	38 70 78	4 3 0	50 10 0	0 2 0	0 7 0	847 850 856	17 64 19 0	13 13 22	38 70 78	50 10 0	0 7 0	847 850 856	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	9 68 23 0	1 4 2	25 13 18	2 21 8	50 66 73	1 5 1	25 16 9	0 2 0	0 6 0	853 850 853	9 68 23 0	25 13 18	50 66 73	25 16 9	0 6 0	853 850 853	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	39 52 9	4 3 0	22 13 0	11 17 3	61 71 75	3 3 1	17 13 25	0 1 0	0 4 0	853 850 850	39 52 9	22 13 0	61 71 75	17 13 25	0 4 0	853 850 850	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	47 53 0	4 3	18 12	12 19	55 76	5 2	23 8	1 1	5 4	850 852	47 53 0	18 12	55 76	23 8	5 4	850 852	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	19 26 17 38	0 2 2 3	0 17 25 17	8 8 4 11	89 67 50 61	1 1 1 4	11 8 13 22	0 1 1 0	0 8 13 0	853 849 852 851	19 26 17 38	0 17 25 17	89 67 50 61	11 8 13 22	0 8 13 0	853 849 852 851	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	21 62 17 0	1 6 0	10 21 0	6 19 6	60 66 75	3 2 2	30 7 25	0 2 0	0 7 0	850 852 848	21 62 17 0	10 21 0	60 66 75	30 7 25	0 7 0	850 852 848	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree	20 37 24 20	0 4 1 1	0 24 9 11	6 10 7 8	67 59 64 89	2 2 3 0	22 12 27 0	1 1 0 0	11 6 0 0	847 851 849 855	20 37 24 20	0 24 9 11	67 59 64 89	22 12 27 0	11 6 0 0	847 851 849 855	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	0 100 0 0	0	0	0	0	0	0	1	100	828	0 100 0 0	0	0	0	100	828						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number